

ALBUM DE PHOTOS DU CERN, 1954-1979

Pour célébrer le 25e anniversaire du CERN, un album contenant une riche collection de photographies tirées au cours de ces 25 dernières années a été édité à l'intention du personnel du CERN. Chacun des membres du personnel peut obtenir UN exemplaire de cet album en remplissant le bulletin-réponse ci-dessous qui sera adressé dans une grande enveloppe interne à "Distribution album". La distribution au personnel du CERN se poursuivra jusqu'au 2 novembre. Passé cette date, le solde des exemplaires sera destiné à d'autres fins. Assurez-vous donc, si vous désirez obtenir un exemplaire de cet album, que votre demande soit bien expédiée avant cette date.

CERN 1954-1979 : A PHOTOGRAPHIC RECORD

To mark CERN's 25th Anniversary an album of photographs from the past 25 years has been prepared for CERN staff. Each member of staff may obtain ONE copy of the album by filling in the form below and forwarding it in a large internal mail envelope, please, to "Distribution Album". Distribution to CERN staff will continue until 2 November. After that date any remaining copies may be used for other purposes so please ensure that, if you wish to have a copy, your request is forwarded before that date.



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SEMINARS SEMINAIRES

MONDAY 15 OCTOBER

EP SEMINAR

at 17.00 hrs - Auditorium

"Weak interactions at low energies"

E. Fiorini / CERN and Milano

Abstract : A few recent experiments on low energy weak interactions will be reviewed and their relevance in connection with the present theories will be discussed.

Parity violation in nuclei, conservation of lepton numbers and experiments with neutrinos at nuclear reactors and pion factories will be considered in some detail.

WEDNESDAY 17 OCTOBER

PS SEMINAR

at 11.00 hrs - PS Auditorium (Bldg.6)

"The Antiproton Accumulator Project"

by R. Billinge / CERN-PS

Abstract : In June last year, approval was given for the construction of an Accumulator Ring to provide intense bunches of antiprotons for the SPS. The schedule calls for first tests with beam only two years after the project approval. A description will be given of the design of the machine and the progress to date.

WEDNESDAY 17 OCTOBER

DD SEMINAR

at 16.00 hrs - DD Conference Room
(Bldg.31 - 3rd floor)

"On Positive Function Series"

by K.S. Kölbig / CERN-DD

Abstract : Function series of the form

$$f(x) = \sum_{n=0}^N c_n f_n(x) \quad \text{are considered under the}$$

constraint $f(x) \geq 0$ in a given interval $a \leq x \leq b$.

Problems of this kind are encountered in several fields of physics, e.g. in constructing scattering amplitudes. The cone in the space R^{N+1} of the coefficients c_n , which is determined by the positivity constraint, is approximated numerically by a polyhedral cone. For a special series of Jacobi polynomials, a geometric approach leads to new estimates for the coefficients making this series non-negative.

WEDNESDAY 17 AND 24 OCTOBER

SPECIAL SEMINARS

at 16.30 hrs - Auditorium

"Highlights of 25 years of physics at CERN"
(Lecture 2)

by L. Van Hove / CERN

Abstract : This lecture, the second in a series of three(), will survey research done at CERN in the last 25 years, concentrating on selected results and highlights. It will cover about the same material as the 25th anniversary lecture given on 30 June at the EPS Conference in Geneva. The pace will be slower and it will be attempted to make the lecture more accessible to non-specialists.*

(*) Lectures given on 3, 17 and 24 October 1979.

THURSDAY 18 OCTOBER

SPECIAL SEMINAR

at 14.00 hrs - Auditorium

"Proton lifetime seminar"

Abstract :

E. Fiorini, Milano : Proposal for a fine-grain detector to investigate the nucleon stability;

R. Barloutaud, Saclay : Search for proton decay using a large calorimeter (proposal);

D.H. Perkins, Oxford : Review of the American proposals to measure the proton lifetime.

ESO ASTROPHYSICS SEMINAR

at 14.00 hrs - DD Conference Room
(Bldg. 31 - 3rd floor)

"Observations of supernovae - ancient and modern"

by D. Clark / Greenwich

CERN ENERGY SEMINAR - General Level

at 16.30 hrs - Auditorium (*)

"Our Energy Future"

by Professor Sir Hermann Bondi /
U.K. Department of Energy

Abstract : The global energy prospects and the developing world. Improvement in energy utilization domestically, in industry, and in transport. Energy sources, and energy carriers. Renewables. The problems of acceptability.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker for informal discussions. Tea and coffee will be provided.

FRIDAY 19 OCTOBER

CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"CUTLASS - A Standard Software System for Distributed Process Control"

by P.G. Bishop / Central Electricity Research Laboratories, England

Abstract : The Central Electricity Generating Board is developing a standard software system (known as CUTLASS) for distributed control in power stations and substations. Important features of CUTLASS are : 1. A high level of machine portability. 2. A high level of security. 3. A packet-switched communications network. 4. A distributed "data-base". 5. Distributed monitoring and control facilities. 6. An interpretive engineer-oriented language. The talk will indicate how portability and security are achieved in CUTLASS, and the major software components will be described.

TUESDAY 23 AND WEDNESDAY 24 OCTOBER

SPS EXPERIMENTS COMMITTEE

Open Session / Tuesday 23 October

at 9.00 hrs - Auditorium

Agenda for the Sixty-eighth Meeting

1. An Experiment to Observe Directly Beauty Particles Selected by Muonic Decay in Emulsion (Bari/Brussels/CERN/U.C. Dublin/U.C. London/Open University/Rome/Turin Collaboration; P. Musset; SPSC/79-102/P 133).
2. Status Report on the Measurement of Hyperon-Nucleon Total Cross Sections and Plans for a Charmed Strange Baryon Search (WA 42-Collaboration; P. Extermann; SPSC/79-90/M 193).
3. Status Report on WA 4 (Photoproduction of Hadrons; F. Richard).
4. Status Report on WA 39 (Di-Muon Production by π^+ , K^+ , p and $\bar{p}$ at 40 GeV/c; J.D. Dowell).
5. Status Report on NA 1 (Photoproduction of Vector and Scalar Bosons; L. Foà).

Closed Session / Wednesday 24 October

at 9.00 hrs - Sixth Floor Conference Room
(Administration Building - Bldg.60)

TUESDAY 23 OCTOBER

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"A model of logical components of thinking"

by H. Wermus / Université de Genève

THURSDAY 25 OCTOBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"In search of baryonium"

by R. Tripp / Berkeley and CERN